

**U.S. Department of Agriculture
Natural Resources Conservation Service
Nevada**

**DOCUMENTATION CHECK LIST
IRRIGATION STORAGE RESERVOIR (436)**

1. Field surveys and notes are in accordance with Engineering Technical Release 62 and National Engineering Manual Part 540. _____
2. Standard drawings and/or standard size drawing sheets are used. _____
3. Engineering job class is shown and proper engineering review/approval is obtained. _____
4. Right of way easements, utility clearances, SHPO clearance and applicable state and Federal permits are obtained. _____
5. Soils/geologic investigation of the site for designing the core trench, foundation treatment, embankment material and for the auxiliary spillway. _____
4. Field investigations and computations are made for hydrology, crop water budget, hydraulics, sediment yield, spillway(s) sizing and stage-storage capacity curves. _____
7. The facilities are designed as part of a resource management system. _____
8. The construction drawings and specifications show as appropriate:
 - a. Location map, site plan layout, cross-sections and profiles of embankment and spillway(s), cutoff trench, borrow areas which show dimensions, elevations and type(s) of construction materials. _____
 - b. Details for pipe conduits include size, type of material, cutoff collar/diaphragm pipe cradle, special joints. _____
 - c. Inlet and outlet structure details showing dimensions and reinforcement details. _____
 - d. Special requirements for foundation preparation and treatment. _____
 - e. Requirements for diverting water, dewatering the site, waste disposal. _____
 - f. Requirements for fencing, seeding, etc. _____
 - g. Buried utilities disclaimer is shown on the drawings. _____
9. Operation and maintenance plan prepared, and provided to landowner. _____
10. Review of construction drawings, and specifications is completed and Cooperator's signature is obtained. _____
11. Changes in design are noted and approved by landowner, designer and proper engineering review/approval is obtained. _____
12. As-Built drawings show constructed embankment and spillway cross-sections and profiles, dimensions, elevations, locations and type of pipe conduits, risers, and cutoff collars/diaphragm. Storage area cross sections/dimensions/depth. _____
13. Construction inspection documentation and Certification of materials. _____
14. Certification that completed practice meets plans and specifications. _____